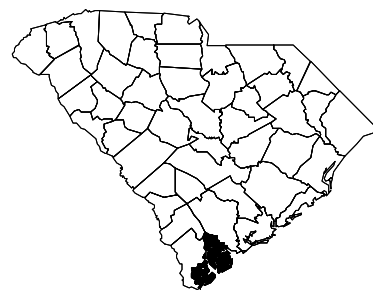


IMPACT OF CHRONIC CONDITIONS BEAUFORT County, 2002



In the year 2002, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, diabetes, Alzheimer's disease, pneumonia and influenza, nephritis, nephritic syndrome, nephrosis and septicemia. This report focuses on the chronic conditions of the population of Beaufort county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The population size of Beaufort county to date is 127,977. The majority (38%) of the population in Beaufort county are between ages of 18-44. Males than females are equally distributed.. Beaufort County's minority population (26%) is lower than the state (32%). The elderly population (17%) is higher than the state (12%). When adults in Beaufort county were asked about there general health status, 83.4% reported having excellent, very good or good health in 2002 (SC was 83%).

	BEAUFORT COUNTY	STATE
Population size	127,977	4,107,183
Age distribution (%)		
<18	23	24
18-44	38	40
45-64	22	24
65-84	15	11
85+	2	1
Race (%)		
White	74	68
Black & Other	26	32
Sex (%)		
Male	50	49
Female	50	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2002 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Beaufort County.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	27	27
Sedentary lifestyle	53	42
Overweight	48	60
High Cholesterol	8	8

Some preventive measures such as immunization were included in the 2002 SC BRFSS. For persons age 65 years and older in South Carolina:

30.6% have not received the flu shot in the past 12 months

35.1% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	27.6	.	.	.	.	28.4
Number of hospitalizations	135	82	53	50	85	5,173
Standard rate of hospitalizations (per 100,000)	102	310	45	85	116	125
Median age of hospitalized patients	63	53	73	63	63	63
Total cost of hospitalization (\$)	1,734,400	878,100	856,300	721,200	1,013,200	79,350,400
Average length of hospital stay (days)	4	4	4	4	4	5
Number of ED visits	176	106	70	47	129	7,306
Standard rate of ED visits (per 100,000)	133	382	57	76	186	175
Median age of ED patients	53	48	68	53	53	53
Total cost of ED visits (\$)	175,800	96,200	79,600	45,200	130,600	5,902,800
Number of deaths*	8	5	3	3	5	366
Standard death rate (per 100,000)*	6	21	3	4	6	9

HEART DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	5.73	.	.	.	.	5.13
Number of hospitalizations	634	187	447	378	256	30,831
Standard rate of hospitalizations (per 100,000)	447	748	377	578	330	734
Median age of hospitalized patients	68	63	68	68	68	68
Total cost of hospitalization (\$)	14,923,000	3,069,000	11,854,000	10,073,100	4,849,900	969,122,700
Average length of hospital stay (days)	3	4	3	3	3	5
Number of ED visits	52	16	36	28	24	2,754
Standard rate of ED visits (per 100,000)	38	63	32	46	32	66
Median age of ED patients	63	58	68	65	60	63
Total cost of ED visits (\$)	351,000	58,700	292,300	241,000	110,000	10,617,900
Number of deaths*	251	56	194	139	112	9,723
Standard death rate (per 100,000)*	180	237	168	228	141	246

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	2.18	.	.	.	.	2.38
Number of hospitalizations	368	76	292	191	177	14,317
Standard rate of hospitalizations (per 100,000)	252	317	238	284	225	351
Median age of hospitalized patients	73	73	78	73	78	73
Total cost of hospitalization (\$)	6,752,600	1,306,700	5,445,900	3,597,700	3,154,900	279,819,700
Average length of hospital stay (days)	4	5	4	4	4	6
Number of ED visits	94	22	72	59	35	2,732
Standard rate of ED visits (per 100,000)	67	82	61	89	49	67
Median age of ED patients	73	73	73	68	73	73
Total cost of ED visits (\$)	329,800	60,200	269,600	212,500	117,300	6,322,600
Number of deaths*	67	18	49	27	40	2,816
Standard death rate (per 100,000)*	49	77	43	42	53	73

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	350	144	206	146	204	14,524
Standard rate of hospitalizations (per 100,000)	259	499	179	225	293	351
Median age of hospitalized patients	63	18	73	58	68	58
Total cost of hospitalization (\$)	4,096,200	1,094,400	3,001,800	1,674,700	2,421,500	198,700,700
Average length of hospital stay (days)	4	3	4	3	4	5
Number of ED visits	869	567	302	396	473	37,517
Standard rate of ED visits (per 100,000)	697	1,827	322	677	766	914
Median age of ED patients	33	23	43	23	38	33
Total cost of ED visits (\$)	875,700	526,000	349,700	400,100	475,600	30,607,600
Number of deaths*	39	3	36	13	26	1,891
Standard death rate (per 100,000)*	26	13	29	20	33	48

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	8.12	.	.	.	.	8.33
Number of hospitalizations	190	120	70	84	106	8,652
Standard rate of hospitalizations (per 100,000)	143	431	67	128	159	207
Median age of hospitalized patients	53	55	53	48	53	53
Total cost of hospitalization (\$)	2,312,900	1,181,600	1,131,300	1,252,100	1,060,800	127,167,500
Average length of hospital stay (days)	4	4	5	4	4	6
Number of ED visits	233	172	61	76	157	9,316
Standard rate of ED visits (per 100,000)	172	612	58	116	236	224
Median age of ED patients	58	53	60	60	53	53
Total cost of ED visits (\$)	236,800	173,200	63,600	83,000	153,800	8,261,100
Number of deaths*	23	12	11	7	4	1,114
Standard death rate (per 100,000)*	16	54	10	12	7	28

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	603	191	412	244	359	24,644
Standard rate of hospitalizations (per 100,000)	437	724	361	358	518	591
Median age of hospitalized patients	63	53	68	68	58	58
Total cost of hospitalization (\$)	16,819,700	4,352,300	12,467,400	8,235,200	8,584,500	605,119,300
Average length of hospital stay (days)	6	7	6	7	6	6
Number of deaths*	276	55	221	135	141	8,320
Standard death rate (per 100,000)*	190	237	183	203	180	203

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	49	12	37	22	27	2,113
Standard rate of hospitalizations (per 100,000)	33	49	29	33	34	51
Median age of hospitalized patients	68	63	73	70	68	68
Total cost of hospitalization (\$)	2,092,200	379,800	1,712,400	1,063,800	1,028,400	80,248,200
Average length of hospital stay (days)	10	10	10	10	10	10
Number of deaths*	22	4	18	9	13	807
Standard death rate (per 100,000)*	16	14	15	13	18	20

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	25	6	19	.	25	1,465
Standard rate of hospitalizations (per 100,000)	17	22	15	.	33	35
Median age of hospitalized patients	68	45	73	.	68	63
Total cost of hospitalization (\$)	312,700	65,200	247,500	.	312,700	21,213,600
Average length of hospital stay (days)	2	2	2	.	2	3
Number of deaths*	18	1	17	-	18	630
Standard death rate (per 100,000)*	13	5	16	-	24	15

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	.	.	.	.	.	222
Standard rate of hospitalizations (per 100,000)	4	8	3	.	7	5
Median age of hospitalized patients	58	55	58	.	58	48
Total cost of hospitalization (\$)	111,600	62,300	49,300	.	111,600	3,668,300
Average length of hospital stay (days)	7	10	4	.	1	4
Number of deaths*	-	1	-	1	1	26
Standard death rate (per 100,000)*	-	1	-	1	2	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	60	14	46	36	24	2,154
Standard rate of hospitalizations (per 100,000)	41	55	37	55	30	51
Median age of hospitalized patients	73	58	73	73	73	68
Total cost of hospitalization (\$)	2,110,400	256,700	1,853,700	1,160,000	950,400	70,474,400
Average length of hospital stay (days)	9	8	9	9	8	9
Number of deaths*	83	12	71	46	37	2,481
Standard death rate (per 100,000)*	57	53	59	68	48	60

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	31	6	25	31	.	1,353
Standard rate of hospitalizations (per 100,000)	21	24	19	46	.	32
Median age of hospitalized patients	68	63	73	68	.	68
Total cost of hospitalization (\$)	664,500	136,000	528,500	664,500	.	24,726,200
Average length of hospital stay (days)	4	6	3	4	.	4
Number of deaths*	17	8	9	17	-	478
Standard death rate (per 100,000)*	12	36	8	29	-	12

*Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using IDC-10 codes.

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